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TITLE: External data store link for a profile service

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

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FIELD-OF-SEARCH: 707/2, 707/3, 707/4, 707/100, 707/200, 707/13R, 707/103, 709/316

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>5692175</u>	November 1997	Davies et al.	707/3
<u>5734887</u>	March 1998	Kingberg et al.	707/4
<u>5787412</u>	July 1998	Bosch et al.	707/2
<u>5832506</u>	November 1998	Kuzman	707/200
<u>5838970</u>	November 1998	Thomas	709/316

OTHER PUBLICATIONS

RFC 2251 Lightweight Directory Access Protocol (v3), by M. Wahl et al., Dec. 1997 (Internet Engineering Task Force).

RFC 2589 "Lightweight Directory Access Protocol (v3) Extensions for Dynamic Directory Services" By Y. Yaacovi et al., May 1999 (Internet Engineering Task Force).

ART-UNIT: 2153

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ABSTRACT:

A profile service, instance is linked to a plurality of external data stores. Each external data store is associated with a predefined data store connector class that describes a connector object that establishes a link and provides methods to query the associated data store. An external data store profile is created in the profile service that names the connector class. An external data store reference object is created in the profile service instance that identifies the external data store profile and a number of parameters that specify particular data desired from the external data store. A profile within the profile service instance includes an attribute that names the data store reference object. When the attribute is evaluated, the data store reference object is instantiated, optionally using parameters specified at runtime, and passed as a parameter to an instance of the data store connector class identified by the external data store profile. The external data store connector instance applies the query methods to retrieve the desired data and return the desired data to the data store reference object. The profile service instance uses the returned data as the value of the attribute.

30 Claims, 12 Drawing figures

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(L3 AND DIRECTORY).USPT.	1

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